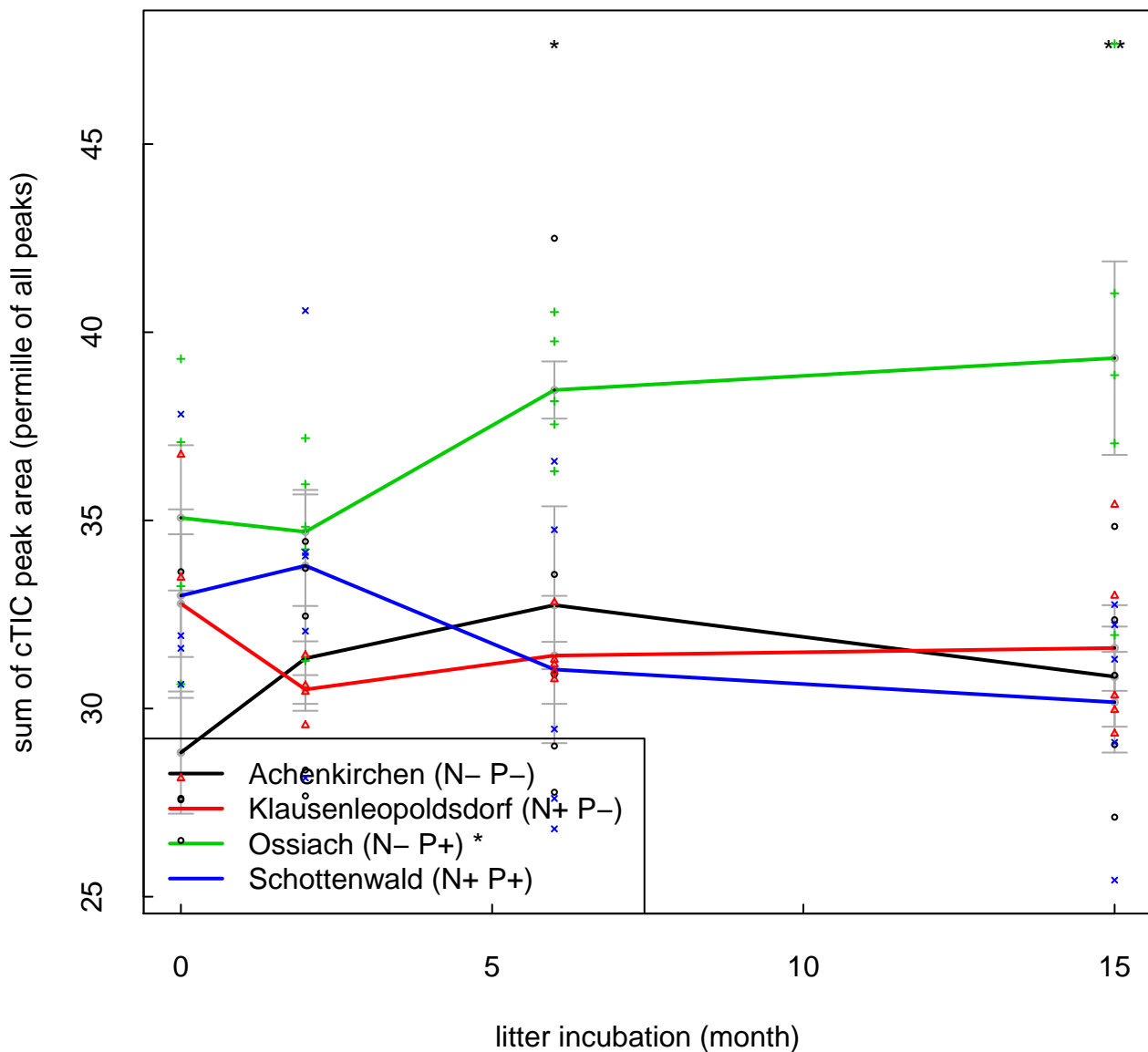
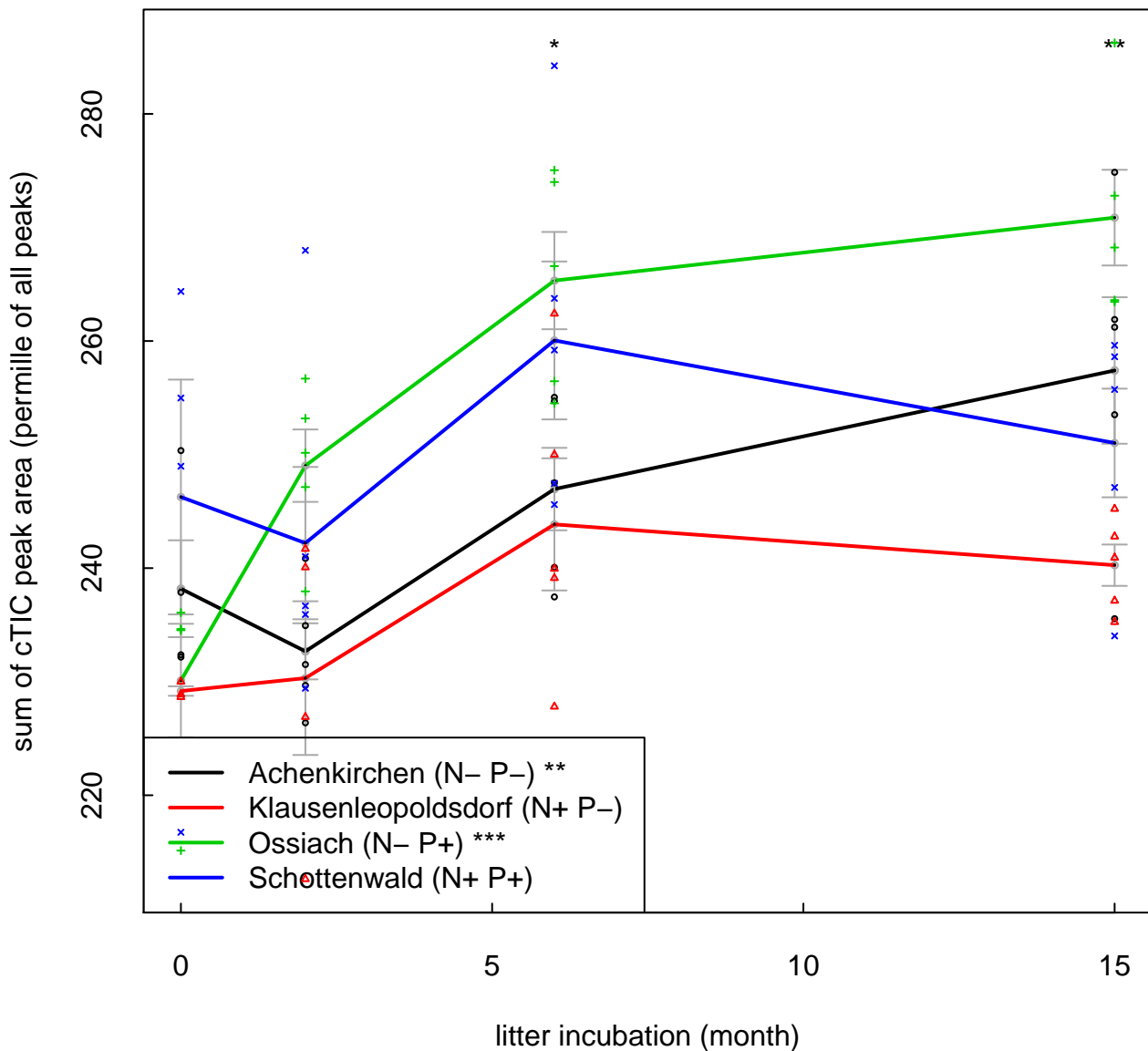


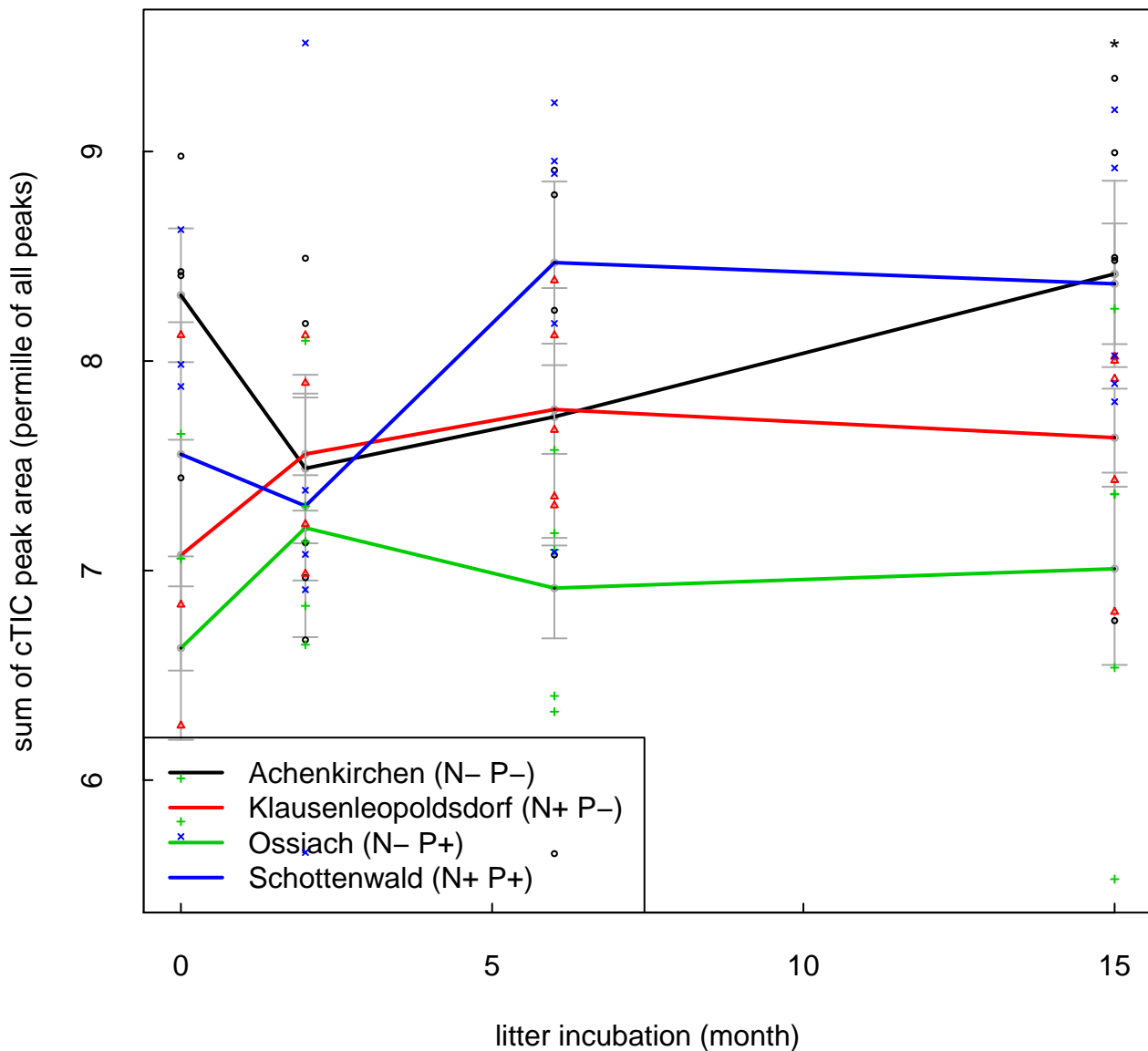
# carbohydrate markers



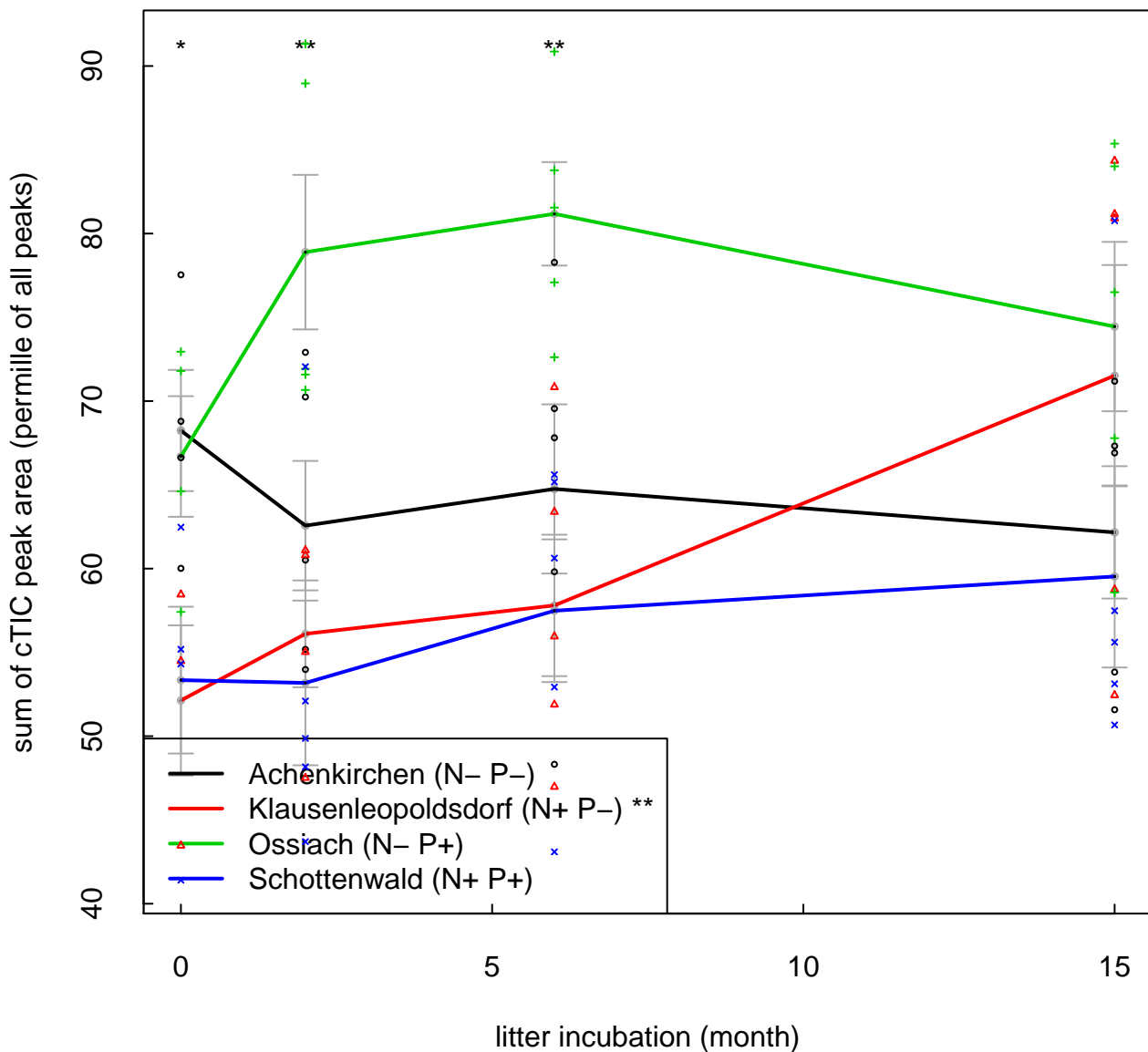
# lignin markers



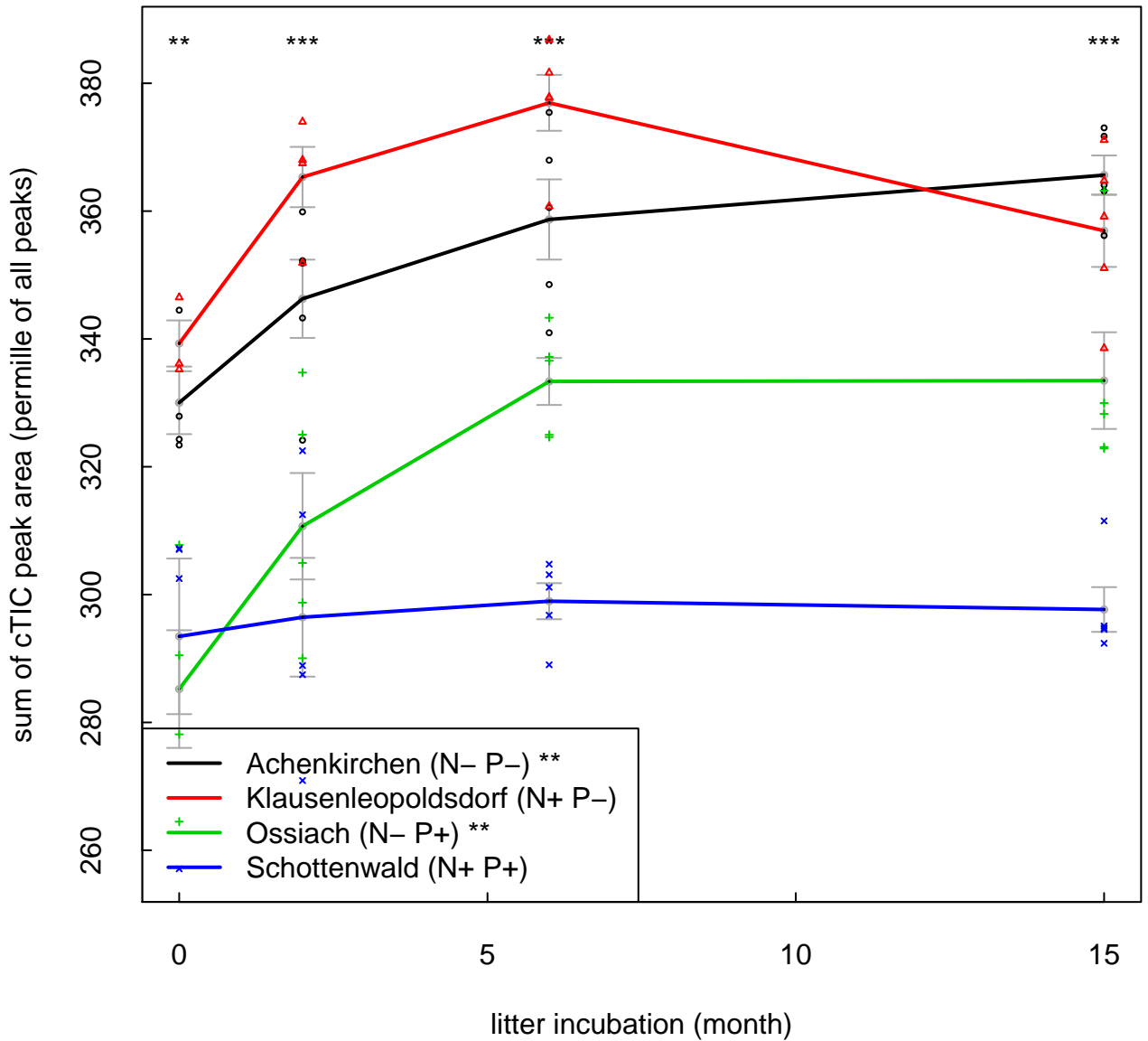
# lignin : carbohydrates



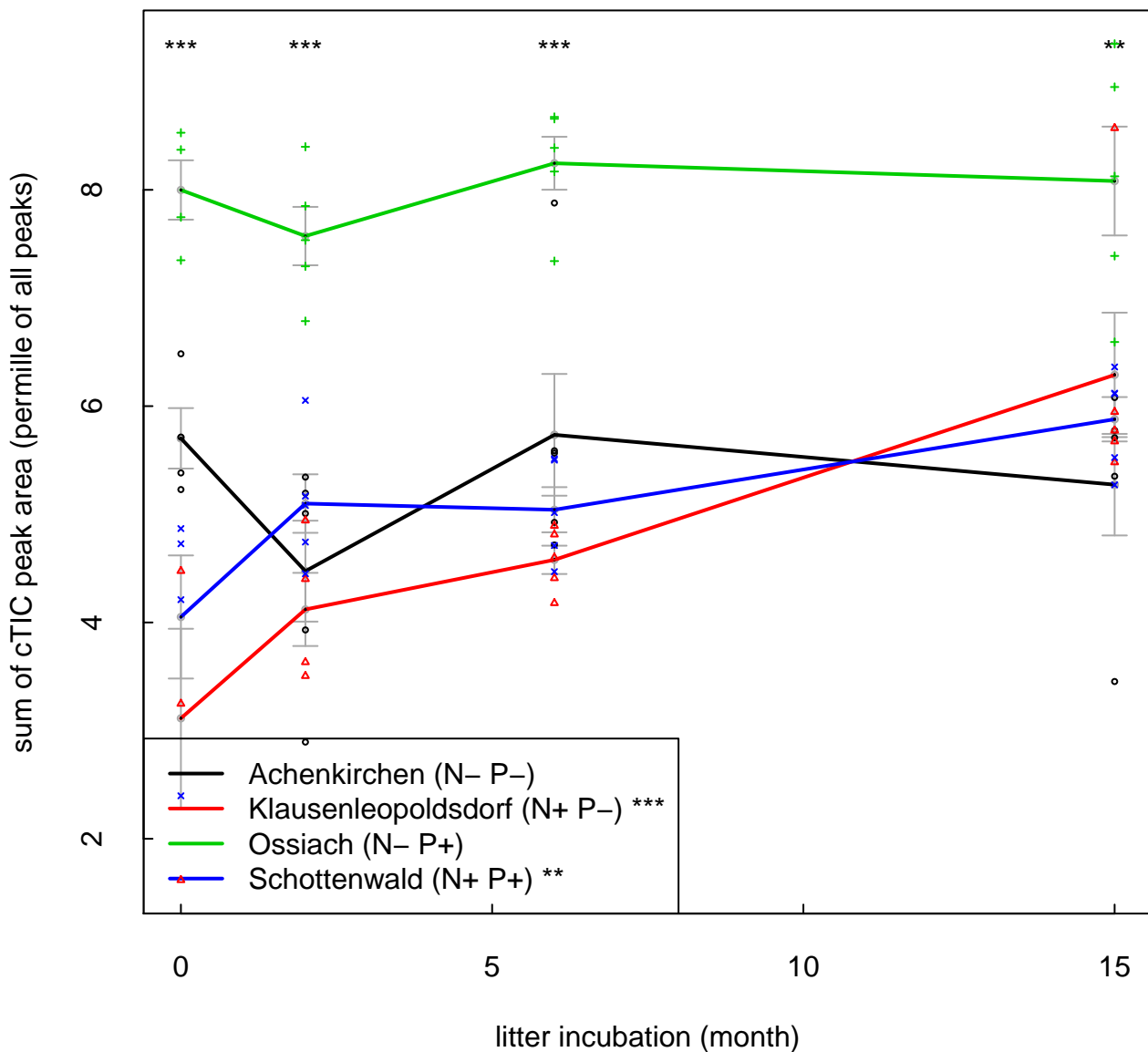
# lignin : nitrogen



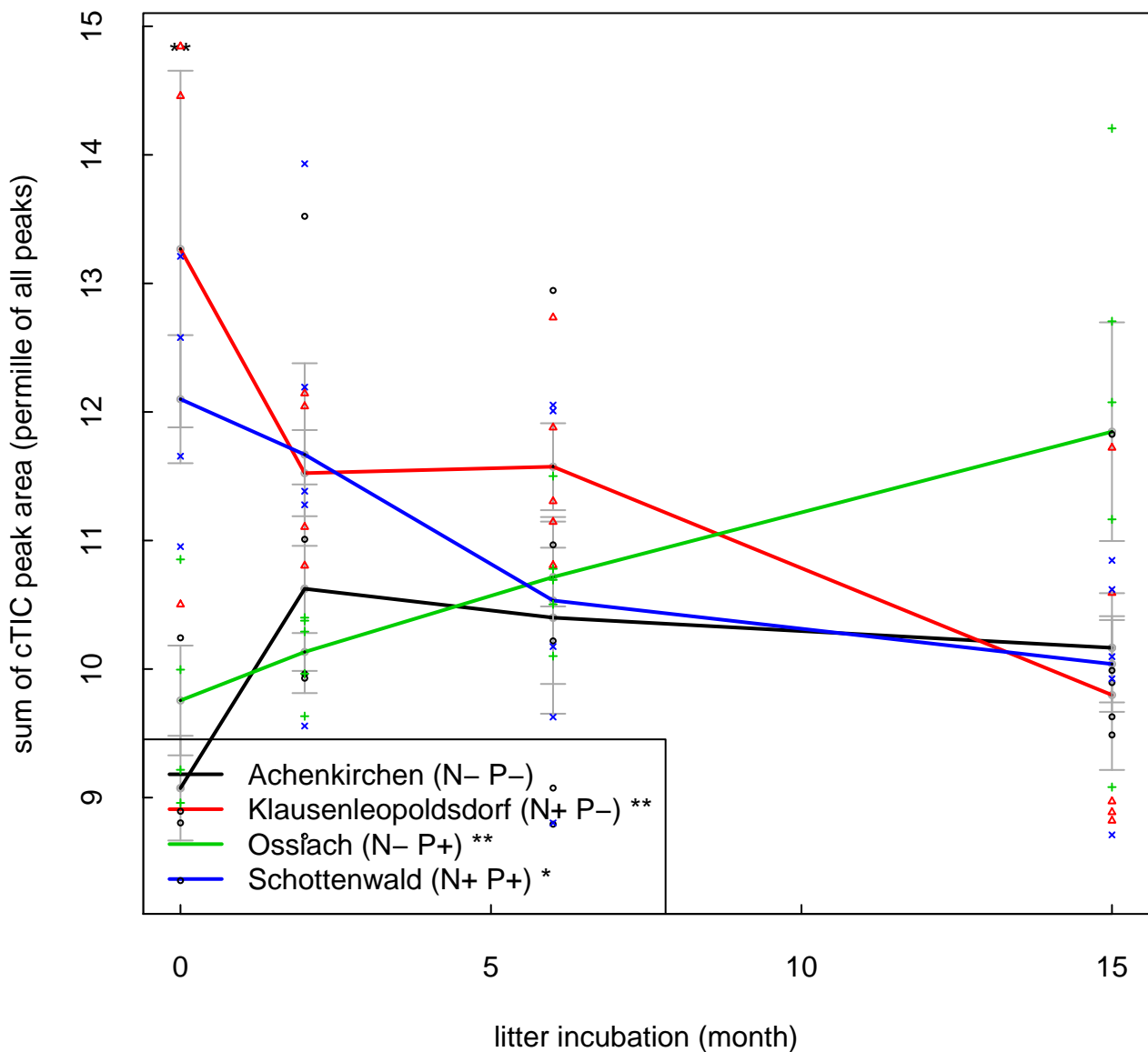
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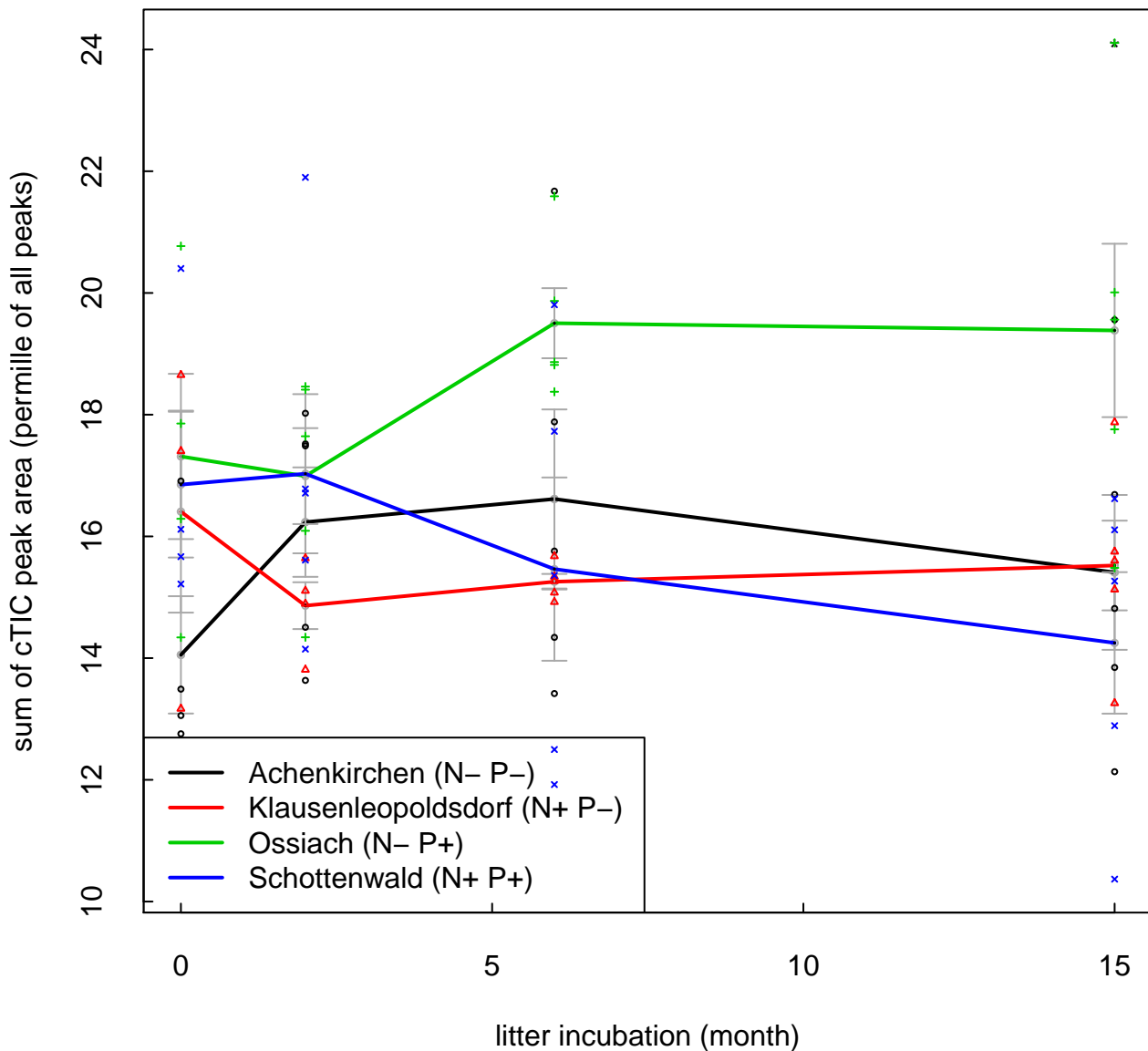
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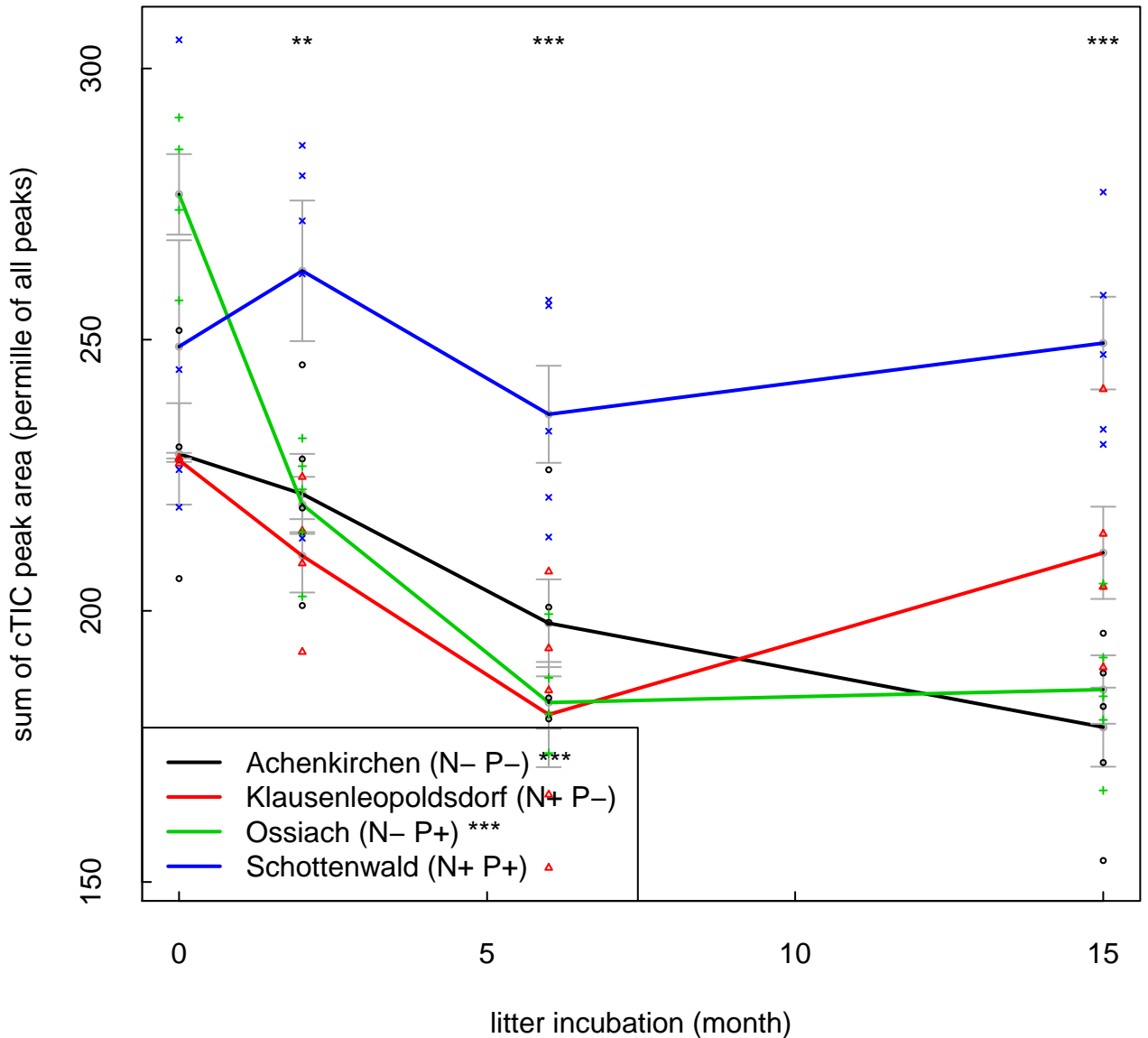


**f**

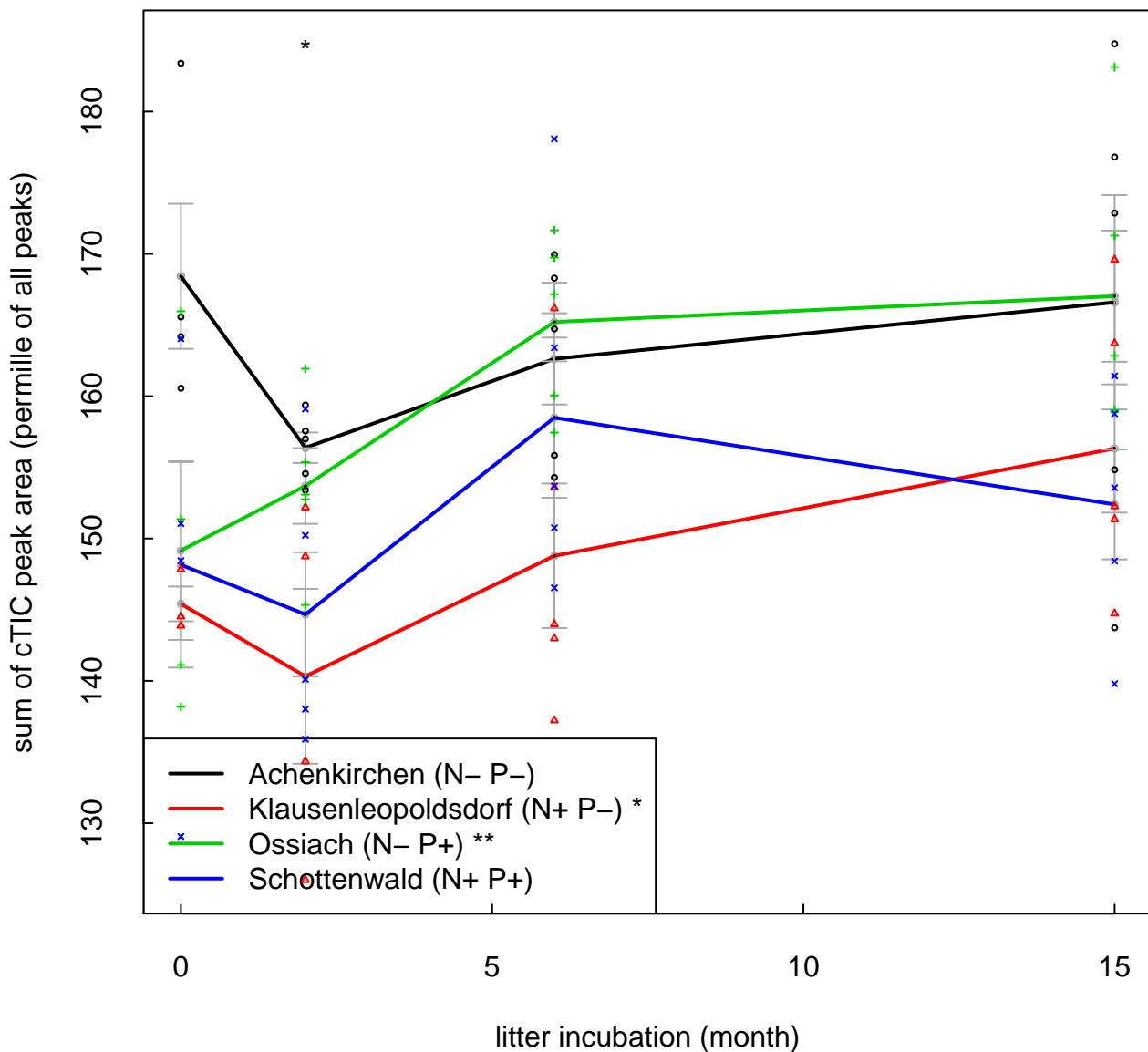




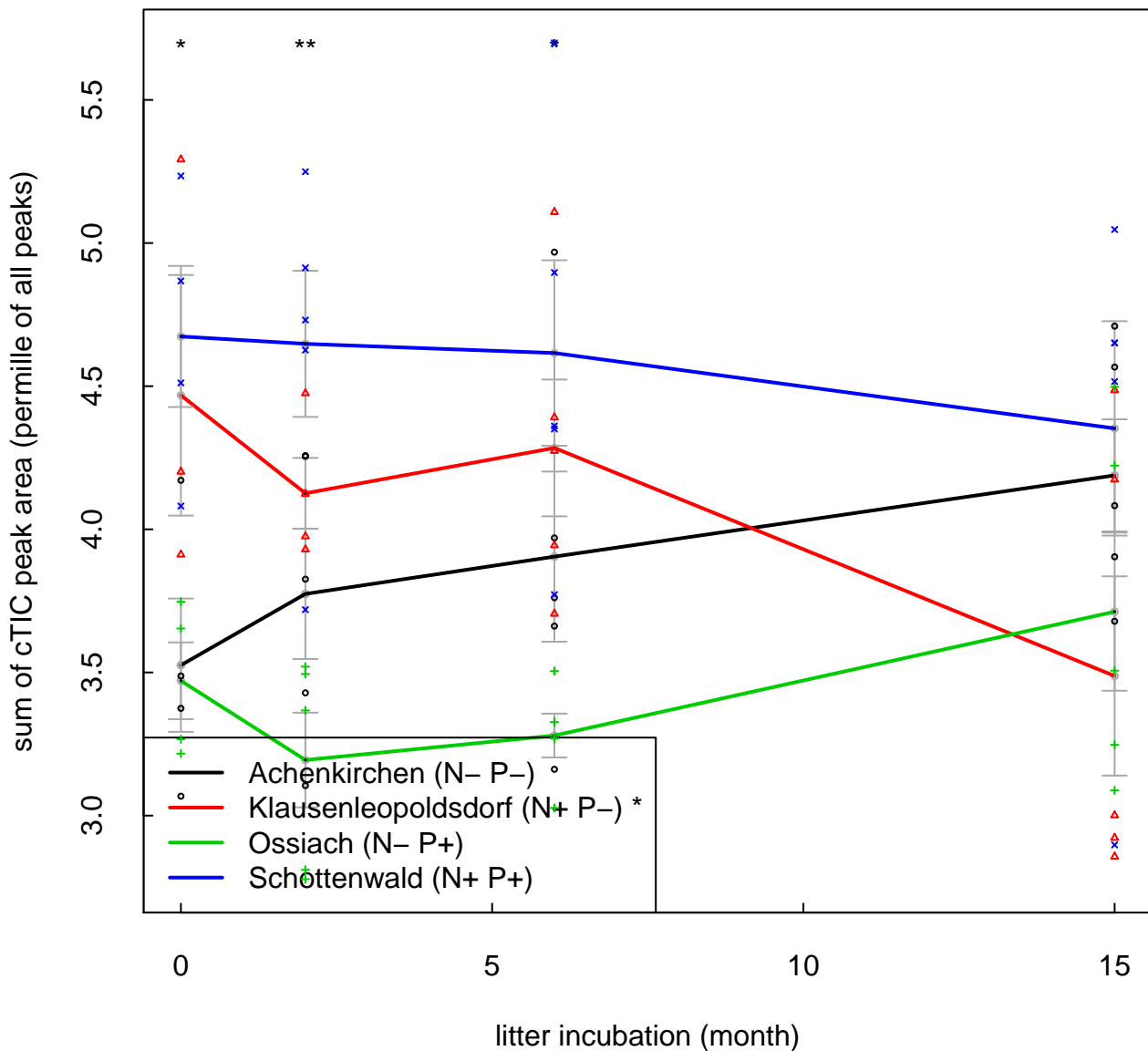
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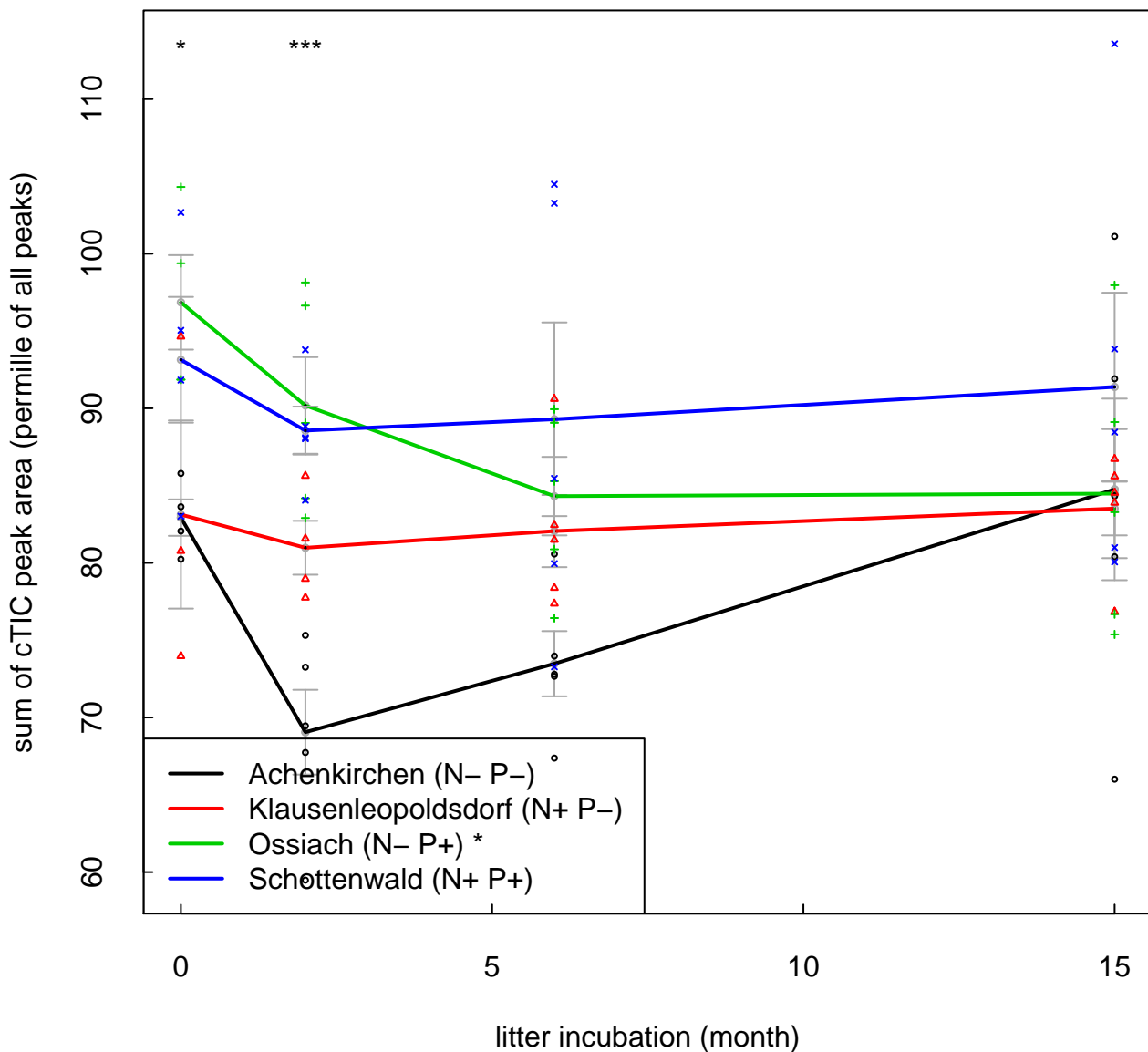
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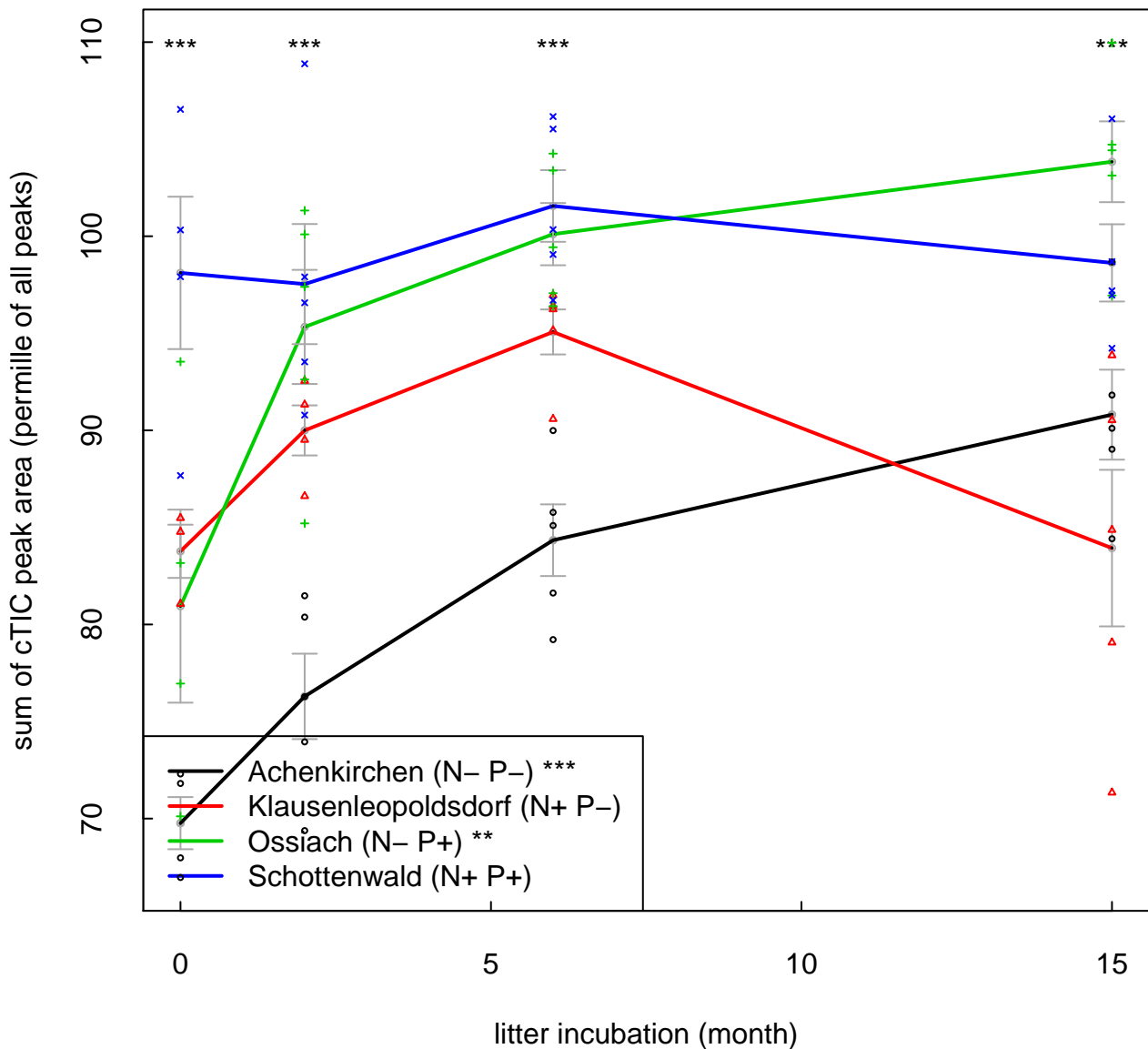
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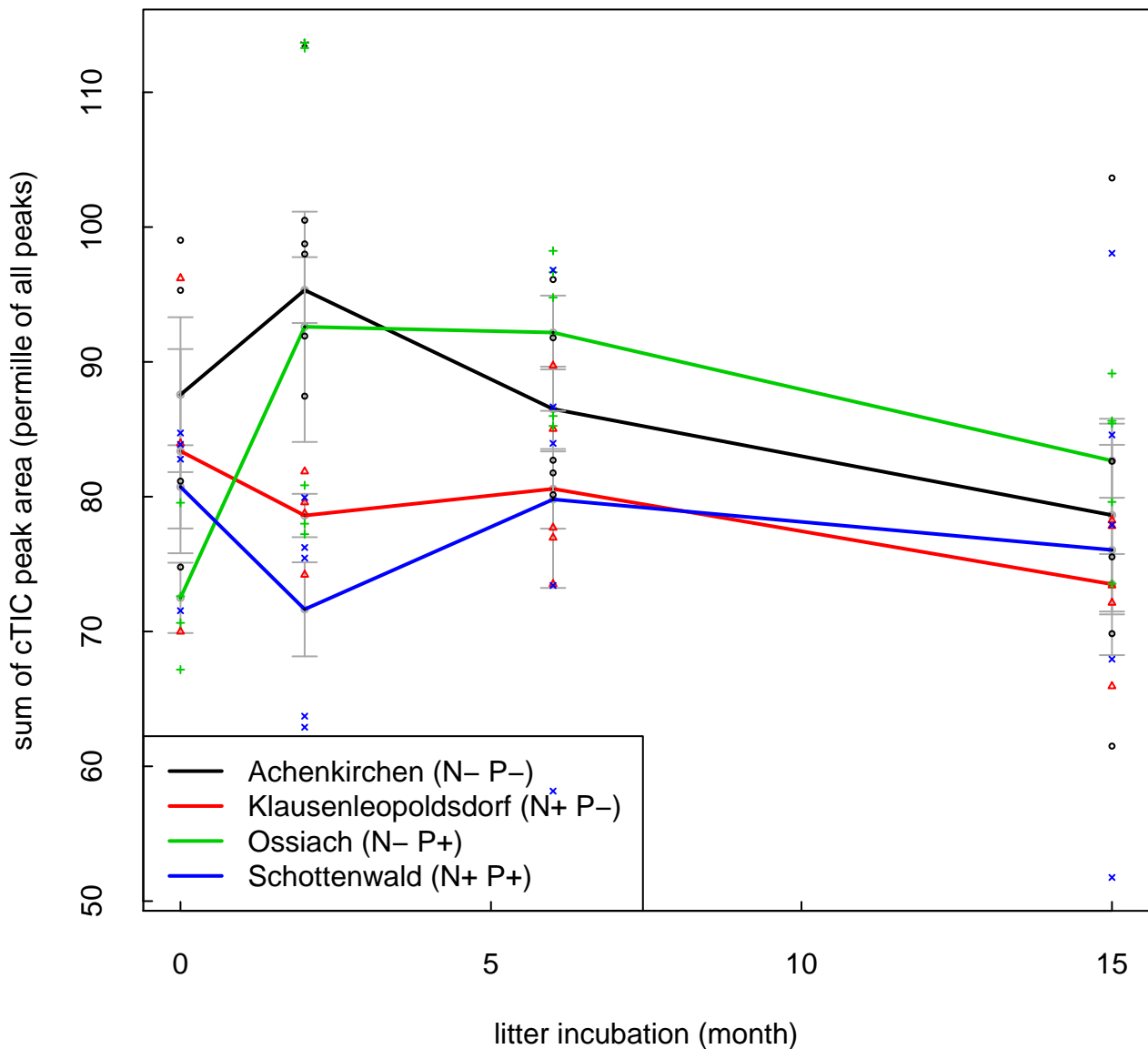
sh



sy



u



**x**

